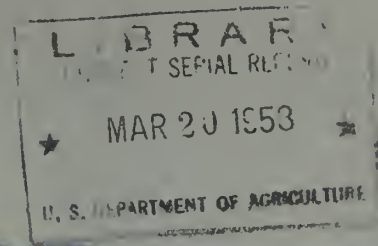


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FEDERAL - STATE - PRIVATE COOPERATIVE
SNOW SURVEY and WATER SUPPLY FORECASTS
for
NEVADA

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
NEVADA STATE ENGINEER

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report.

AS OF
MAR. 1, 1958

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY AND WATER SUPPLY FORECAST REPORTS:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Fortunately, most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from fore-knowledge of the runoff.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, about 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1300 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

By relating snow survey measurements taken over a period of years to spring-summer runoff during the same period, relationships have been developed which make it possible to forecast seasonal runoff several months in advance of occurrence. In order to make a forecast, once a forecast relationship has been developed, the maximum snow water content at previously selected key snow courses is usually entered in the forecast relationship. More accurate forecasts are often obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast relationships.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	COOPERATING WITH	LOCATION
RIVER BASINS			
COLDRAID, RIO GRANDE AND PLATTE-ARKANSAS	MONTHLY (FEB.-MAY)	COLD. EXP. STATION	FT. COLLINS, COLO.
COLUMBIA <i>Includes Alaska</i>	MONTHLY (JAN.-MAY)		BOISE, IDAHO
UPPER MISSOURI	MONTHLY (FEB.-MAY)	MDNT. AGR. EXP. STATION	BOZEMAN, MONTANA
WEST-WIDE	SEMI-ANNUALLY (OCT. 1 AND APR. 1)	COOPERATORS	PORTLAND, OREGON
STATES			
ARIZONA	SEMI-MONTHLY (JAN. 15-APR. 1)	SALT R. VALLEY WATER USERS ASSOCIATION	PHOENIX, ARIZONA
NEVADA	MONTHLY (FEB.-APR.)	NEVADA STATE ENGINEER	RENO, NEVADA
OREGON	MONTHLY (JAN.-MAY)	ORE. AGR. EXP. STATION	PORTLAND, OREGON
UTAH	MONTHLY (JAN.-MAY)	UTAH STATE ENGINEER UTAH AGR. EXP. STATION	SALT LAKE CITY, UTAH
WASHINGTON	MONTHLY (FEB.-MAY)	WASH. STATE DEPT. OF CONSERVATION AND DEVELOPMENT	SPokane, WASHINGTON
WYOMING	MONTHLY (FEB.-JUNE)	WYOMING STATE ENGINEER	CASPER, WYOMING

Copies of the various reports may be secured from: Head, Water Supply Forecasting Section
Soil Conservation Service
209 S.W. 5th Avenue, Portland 4, Oregon

PUBLISHED BY OTHER AGENCIES

OTHER SNOW SURVEY REPORTS

BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	COMPTROLLER, WATER RIGHTS BR., DEPT. OF LANDS AND FORESTS, PARLIAMENT BLDGS. VICTORIA, B.C.
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIFORNIA DEPARTMENT OF WATER RESOURCES, SACRAMENTO, CALIFORNIA

FEDERAL - STATE COOPERATIVE
SNOW SURVEYS AND WATER SUPPLY FORECASTS

For

N E V A D A

Report Prepared

By

Norman S. Hall, Hydraulic Engineer
Roy E. Malsor, Agricultural Engineer

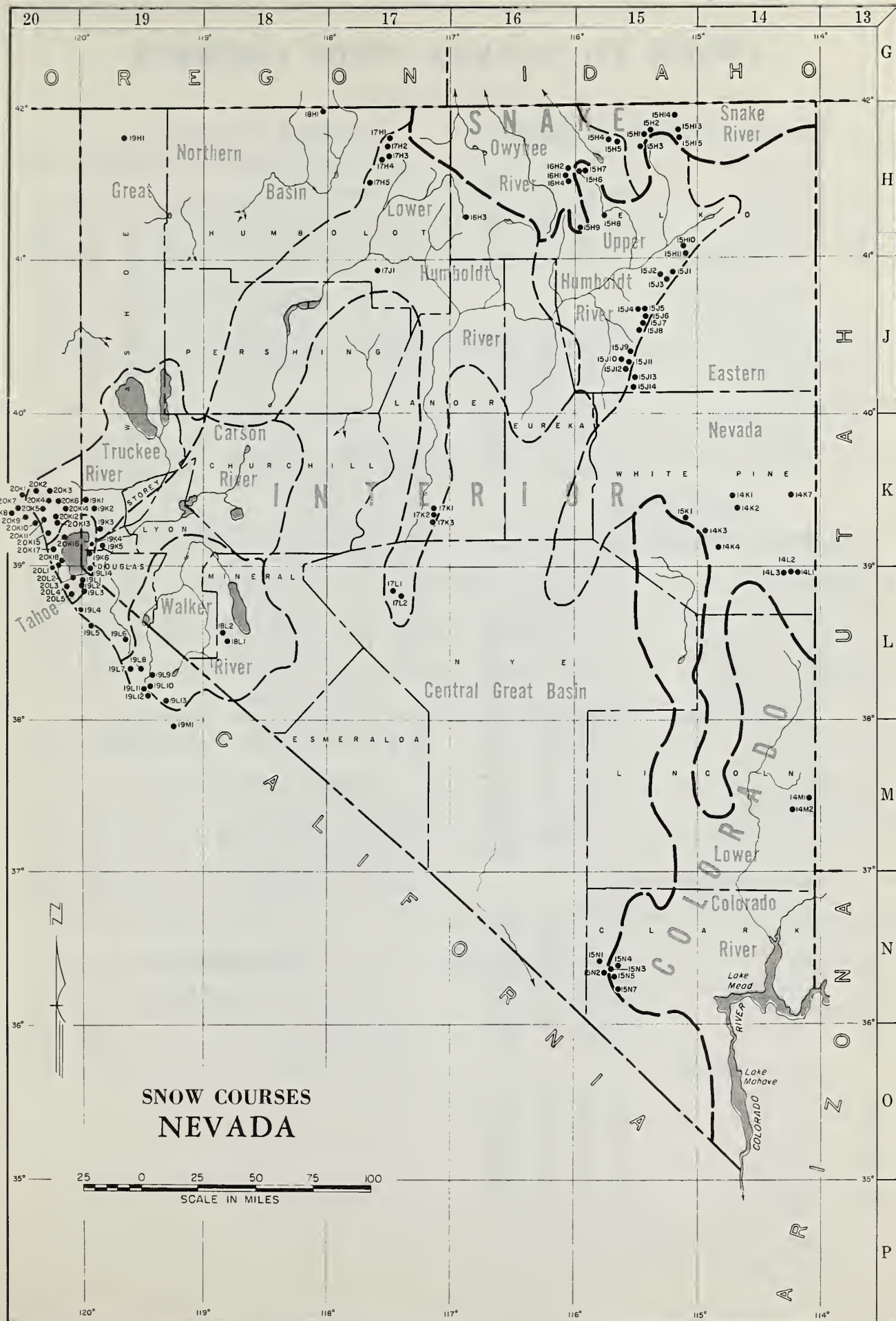
Soil Conservation Service
1485 Wells Avenue
Reno, Nevada

Issued By

Charles W. Cleary, Jr.
State Conservationist
Soil Conservation Service
Reno, Nevada

Ed Muth
Nevada State Engineer
Department of Conservation
and Natural Resources
Carson City, Nevada

March 7, 1958



INDEX TO NEVADA SNOW COURSES

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
--------	------	------	------	------	-------	--------	------	------	------	------	-------

SNAKE RIVER BASIN

SNAKE RIVER

15H 1	BEAR CREEK	31	46N	58E	7800
15H 2	FOX CREEK	33	46N	58E	6800
15H 3	76 CREEK	6	44N	58E	7100
15H 5*	GDLO CREEK	31	45N	56E	6600
15H 4*	RIG BEND	30	45N	56E	6700
15H13	GOAT CREEK	31	46N	60E	8800
15H14	PDLE CREEK RANGER STATION	13	46N	59E	8330
15H15	HUMMINGBIRD SPRINGS	6	45N	60E	8945

OWYHEE RIVER

17H 2*	LOWER BUCKSKIN	25	45N	39F	6700
17H 1*	UPPER BUCKSKIN	11	45N	39E	7200
17H 3*	MARTIN CREEK	18	44N	40E	6700
17H 4*	GRANITE PEAK	22	44N	39E	7800
15H 5	GOLD CREEK	31	45N	56E	6600
15H 4	RIG BEND	30	45N	56E	6700
15H 7*	FRY CANYON	31	43N	54E	6700
15H 6*	RDEED FLAT	36	43N	53E	6800
16H 1	LOWER JACK CREEK	18	42N	53E	6800
16H 2	UPPER JACK CREEK	9	42N	53F	7250
15H 8*	TREMEWAN RANCH	9	39N	55E	5700
15H 9	TAYLOR CANYON	35	39N	53E	6200
16H 4	JACKS PEAK	28	42N	53E	8420

INTERIOR

UPPER HUMBOLDT RIVER

15H 1*	BEAR CREEK	31	46N	58E	7800
15H 2*	FOX CREEK	33	46N	58E	6800
15H 3*	76 CREEK	6	44N	58E	7100
15H 5*	GDLO CREEK	31	45N	56E	6600
15H 4*	RIG BEND	30	45N	56E	6700
15H 7	FRY CANYON	31	43N	54E	6700
15H 6	RDEED FLAT	36	43N	53E	6800
16H 1*	LOWER JACK CREEK	18	42N	53E	6800
16H 2	UPPER JACK CREEK	9	42N	53E	7250
15H 8	TREMEWAN RANCH	9	39N	55E	5700
15H 9*	TAYLOR CANYON	35	39N	53E	6200
15H10	LOWER TROUT CREEK	28	37N	61E	6900
15H11	UPPER TROUT CREEK	4	36N	61E	8500
15J 1	DORSEY BASIN	28	35N	60E	8100
15J 2	RYAN RANCH	1	34N	59E	5800
15J 3	DRY CREEK	5	34N	60E	6500
15J 4	LAMOILLE #1	15	32N	58E	7100
15J 5	LAMOILLE #2	14	32N	58E	7300
15J 6	LAMOILLE #3	24	32N	58E	7700
15J 7	LAMOILLE #4	19	32N	59E	8000
15J 8	LAMOILLE #5	31	32N	59E	8700
15J 9	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J12	CORRAL CANYON	27	28N	57E	8500

LOWER HUMBOLDT RIVER

17H 2	LOWER BUCKSKIN	25	45N	39E	6700
17H 1	UPPER BUCKSKIN	11	45N	39E	7200
17H 3	MARTIN CREEK	18	44N	40E	6700
17H 4	GRANITE PEAK	22	44N	39E	7800
17H 5	LAMANCE CREEK	13	42N	38E	6000
16H 3	MIOAS	18	39N	46E	7200
17K 1	RIG CREEK CAMP GROUND	10	17N	43E	6600
17K 2	RIG CREEK MINE	23	17N	43E	7600
17K 3	UPPER RIG CREEK	26	17N	43E	8000
17L 1	LOWER CORRAL	12	11N	40E	7500
17L 2	UPPER CORRAL	20	11N	41E	8500
17J 1	GOLCONOA	22	35N	39F	6000

EASTERN NEVADA

15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
14K 3	MURRAY SUMMIT	25	16N	62E	7250
14L 1	BAKER #1	29	13N	69E	7950
14L 2	BAKER #2	30	13N	69E	9950
14L 3	BAKER #3	25	13N	68E	9250
14K 2	BERRY CREEK	26	17N	65E	9100
14K 1	BIRO CREEK	34	19N	65E	7500
15K 1	ROBINSON SUMMIT	34	18N	61E	7600
14K 4	WARD MOUNTAIN	25	15N	62E	7875
14K 7	SILVER CREEK #2	30	16N	69E	8000

CENTRAL GREAT BASIN

15N 2	CLARK CANYON	8	19S	56E	9000
15N 1	TROUGH SPRINGS	23	18S	55E	8500

NORTHERN GREAT BASIN

19H 1	BALD MOUNTAIN	17	45N	21E	6720
18H 1	DISASTER PEAK	8	47N	34E	6500

LAKE TAHOE

20L 4	(CAL.) LAKE LUCILLE	28	12N	17E	8400
20L 1	(CAL.) RUBICON #1	6	13N	17E	8100
19L 3	(CAL.) HAGANS MEADOW	36	12N	18E	8000
19L 2	(CAL.) FREEL BENCH	36	12N	18E	7300
20K17	(CAL.) WARD CREEK	21	15N	16E	7000
19L 1	(CAL.) UPPER TRUCKEE	21	12N	18E	6400
20K16	(CAL.) TAHOE CITY	6	15N	17E	6250
20L 2	(CAL.) RUBICON #2	6	13N	17E	7500
20K18	(CAL.) RUBICON#3	32	14N	17E	6700
20L 3	(CAL.) RICHARDSONS #2	6	12N	18E	6500
20L 5	(CAL.) ECHO SUMMIT	6	11N	18E	7500
19K 4	MARLETTE LAKE	13	15N	18E	8000
19L14	DAGGETTS PASS	19	13N	19E	7350
19K 5	GLENBROOK #2	13	14N	18E	6900
19K 2*	MT. ROSE	7	17N	19E	9000

TRUCKEE RIVER

20K 5	(CAL.) INDEPENDENCE LAKE	9	18N	15E	8450
20K 1*	(CAL.) WEBBER PEAK	30	19N	14E	8000
20K10*	(CAL.) DONNER SUMMIT	25	17N	14E	6900
20K17*	(CAL.) WARD CREEK	21	15N	16E	7000
20K 2	(CAL.) WEBBER LAKE	20	19N	14E	7000
20K 6	(CAL.) SAGE HEN CREEK	7	18N	16E	6500
20K16*	(CAL.) TAHOE CITY	6	15N	17E	6250
20K13	(CAL.) TRUCKEE #2	22	17N	16E	6400
20K 3	(CAL.) INDEPENDENCE CREEK	14	19N	15E	6500
20K14	(CAL.) BOCA #2	28	18N	17E	5900
20K 8*	(CAL.) FURNACE FLAT	10	17N	13E	6600
20K 7*	(CAL.) FORDYCE LAKE	34	18N	13E	6500
20K 9*	(CAL.) SODA SPRINGS	23	17N	14E	6750
20K 4	(CAL.) INDEPENDENCE CAMP	34	19N	15E	7000
19K 2	MT. ROSE	7	17N	19E	9000
20K12	(CAL.) TRUCKEE RANGER STA.	10	17N	16E	6000
20K11	(CAL.) DONNER LAKE	14	17N	15E	5950
19K 1	BIG MEADOWS	15	18N	18E	8800
19K 3	LITTLE VALLEY	17	16N	19E	6300
20K15	(CAL.) SOUAW VALLEY	5	15N	16E	7500

CARSON RIVER

19L 4	(CAL.) CARSON PASS	22	10N	18E	8600
19L 6	(CAL.) POISON FLAT	25	8N	21E	7900
19L 5	(CAL.) BLUE LAKES	30	9N	19E	8000
19K 5	CLEAR CREEK	16	14N	19E	7300

WALKER RIVER

19L12	(CAL.) CENTER MOUNTAIN	4	3N	23E	9400
19L 7	(CAL.) SONORA PASS	1	5N	21E	8800
19L11	(CAL.) BUCKEYE FORKS	20	4N	23E	8500
19L13	(CAL.) VIRGINIA LAKES	5	2N	25E	9500
19L 9	(CAL.) WILLOW FLAT	21	5N	23F	8250
19L10	(CAL.) BUCKEYE ROUGHS	15	4N	23E	7900
19L 8	(CAL.) LEAVITT MEADOWS	4	5N	22E	7200
19M 1*	(CAL.) TIIGA PASS	30	1N	25E	9900
18L 1	LAPON MEADOW	36	8N	28E	9000
18L 2	MT. GRANT	23	8N	28E	9000

COLORADO

LOWER COLORADO RIVER

15N 5	KYLE CANYON	26	19S	56E	8200
15N 4	LEE CANYON #1	10	19S	56E	8300
15N 3	LEE CANYON #2	9	19S	56E	9000
15N 7	RAINBOW CANYON #2	6	20S	57E	8100
14M 1	MATHEW CANYON	11	5S	70E	6000
14M 2	PINE CANYON	11	6S	69E	6200

* LOCATED ON ADJACENT WATERSHED

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WATER SUPPLY OUTLOOK
FOR NEVADA

March 1, 1958

* * * * *

* Snow stored water in the mountain watersheds of Nevada is *
* excellent. The only prospects of below normal flow appear *
* in the Walker River Watersheds and even these are antici- *
* pated to be near normal. Heavy storms late in February *
* have improved irrigation season water supplies. All reser- *
* voirs hold near normal supplies. *

* * * * *

Recently completed snow surveys in Elko County have indicated snow-stored water to be above the 15-year 1938-52 March 1 normal. The Owyhee River in northern Elko County is forecast at 145% of normal. Salmon Falls Creek near San Jacinto is forecast at 102%. Snow courses in the Ruby Mountains vary from about 113% at the north end to 145% at the south end. Forecasts range from normal on Lamoille Creek to 127% on the South Fork of the Humboldt to 113% on the main Humboldt River at Palisade.

The Santa Rosa Mountains, north of Paradise Valley and Winnemucca, measured about 123% of the March 1 normal. April through July flow of Martin Creek is being forecasted at 128% of the 15-year 1938-52 normal.

Snow courses measured last week in the Charleston Mountain near Las Vegas indicated 76% of the March 1 15-year normal on the east slope while the west slope was 96% of the same normal. This is an improvement over conditions here the last several years.

Pine and Mathew Canyon snow courses on Clover Creek, tributary to Meadow Valley Wash, were bare of snow. Higher mountains appear to have good snow cover and winter rains have saturated the soil mantle. If these rains continue, range conditions should be good this spring.

In White Pine County, a fairly open winter is being experienced. Snow surveys indicate the Snake Range, near Baker, to be about 82% of the 15-year March 1 normal, while the Schell Range is about 67%. Extending westward, the snow cover appears light from Ely to the Toiyabe Mountains at Austin.

In the Sierras, the Truckee Basin Water Committee is forecasting 95,000 acre feet on the Little Truckee above Boca Reservoir. On the main Truckee River, at Farad, a normal runoff is forecast at 280,000 acre feet. On March 1, the elevation of Lake Tahoe was 6227.86. Assuming normal spring precipitation, it will be possible to fill Lake Tahoe to the maximum elevation of 6229.1 and some draft will be necessary to prevent the Lake from exceeding that elevation. These forecasts are made with the assumption of normal precipitation and temperature from the present time to the end of the April-July forecast period.

Water supply conditions on the Carson Watershed are excellent. East Carson at Gardnerville is forecast to 122% of the 15-year 1938-52 normal, while the West Carson at Woodfords is forecast at 116% of the same normal.

The East Walker near Bridgeport is forecast at 96% of the 1938-52 normal and the West Walker near Coleville is forecast at 90% of the same normal.

NEVADA STREAMFLOW FORECASTS - MARCH 1, 1958

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

Forecast Stream	April-July, Streamflow Thousands Acre Feet				
	Forecast 1958	15-Yr. Av. 1938-52	1958 as % of 15-Yr.Av.	Measured Runoff	
				1957	1956
Owyhee River nr. Gold Creek, Nev. ¹	41	28	146	28	23
Owyhee River nr. Owyhee, Nev. ¹	127	88	144	102	75
Lamoille Creek nr. Lamoille, Nev.	30	30	100	34	32
So. Fk. Humboldt nr. Elko, Nev.	107	84	127	78	88
Humboldt River at Palisade, Nev.	282	249	113	247	249
Martin Creek nr. Paradise, Nev.	23	18	128	Not Rec'd	17
East Walker nr. Bridgeport, Cal. ²	70	73	96	48	126
West Walker nr. Coleville, Cal.	145	160	90	128	236
East Carson nr. Gardnerville, Nev.	238	195	122	162	281
West Carson at Woodfords, Cal.	64	55	116	50	84
Carson River nr. Carson City	229	192	119	148	315
Carson River at Ft. Churchill	193	189	102	159	319
Little Truckee River above Boca, California ⁵	95	80	119	71	135
Truckee River at Farad, Cal. ^{3,5}	280	279	100	206	404
Lake Tahoe ^{4,5}	--	1.6	--	1.4	2.0
Salmon Falls Creek nr. San Jacinto, Nevada	94* 91**	92 88	102 103	104 102	90 87

1. Corrected for storage in Wild Horse Reservoir.
 2. For period April through August corrected for storage in Bridgeport Reservoir.
 3. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
 4. Maximum rise, in feet, from April 1, assuming gates closed.
 5. Forecast issued by Truckee Basin Water Committee which is composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company and Washoe County Water Conservation District.
- * Forecast period of March-September.
 ** Forecast period of March-July.

STATUS OF RESERVOIR STORAGE

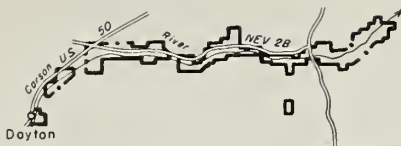
March 1, 1958

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			
			1958	1957	1956	15-YR. AVE. 1938-52
Owyhee	Wild Horse	33	19	26	5	12
Lower Humboldt	Rye Patch	178	81	43	21	89
Colorado	Mohave	1,810	1,743	1,671	1,710	New reservoir*
Colorado	Mead	27,217	19,712	11,700	11,033	18,517
Tahoe	Tahoe	732	583	602	511	427
Truckee	Boca	41	10	10	7	8
Carson	Lahontan	236	205	225	189	218
West Walker	Topaz	59	30	57	46	40
East Walker	Bridgeport	42	30	42	34	33

* Storage began in 1950. The 1950-57 average is 1,467,000 A.F.

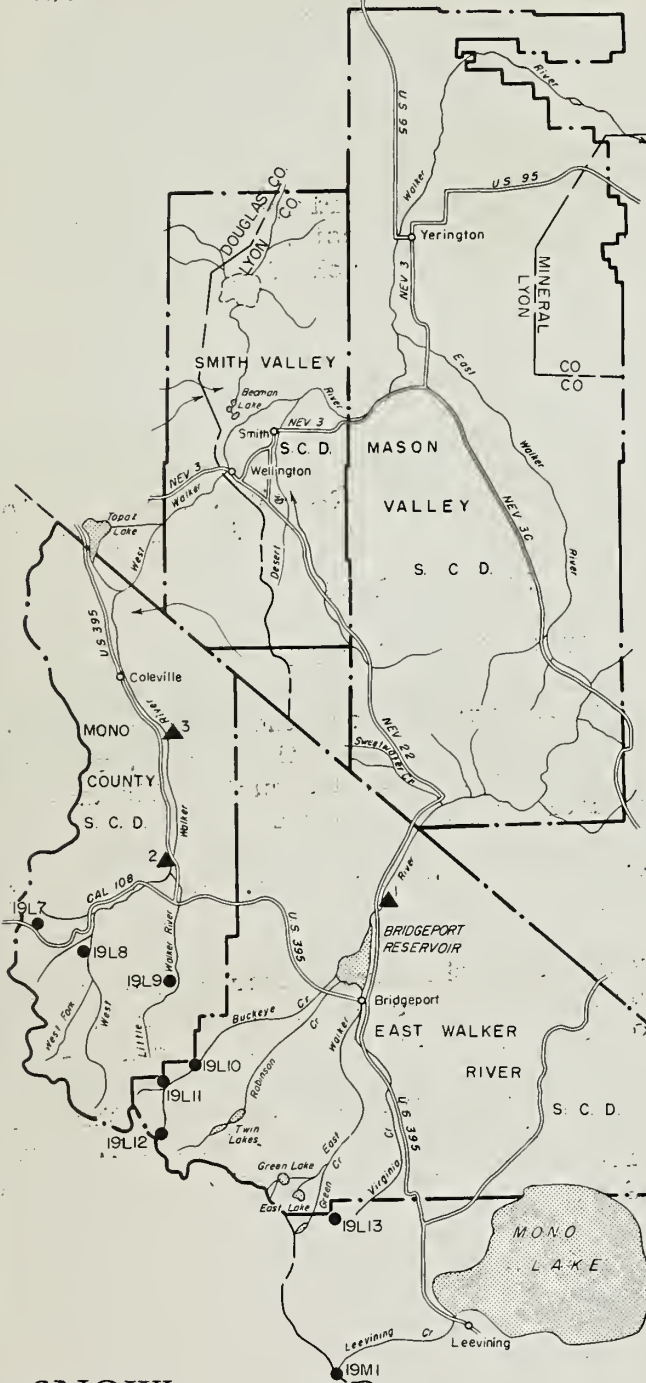
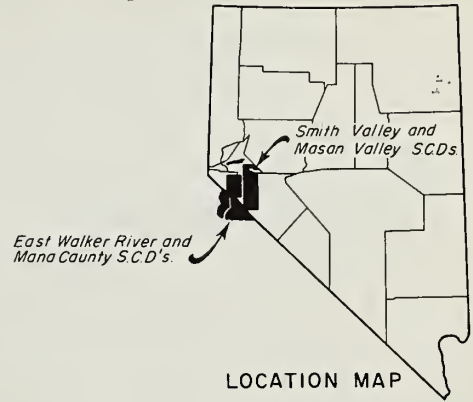
SNOW SURVEY & WATER SUPPLY FORECAST

SMITH VALLEY & MASON VALLEY S.C.D's., NEVADA
and EAST WALKER RIVER & MONO CO. S.C.D's., CALIFORNIA



5 0 5 10 15
SCALE IN MILES

MARCH 1, 1958



LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary

MARCH 1, 1958

NOTE: All normals based on 1938-1952 15 year period, "Years of record" indicates number of years used in 1938-1952 period.

SNOW

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
No.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
						LAST YEAR	NORMAL	
19L13	Virginia Lakes	9500	2/24	40	12.6	11.3	-	-
19L7	Sonora Pass	3800	3/4	74	25.2	13.6	-	-

MARCH 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Topaz Lake	59	30	57	40
Bridgeport	42	30	42	33

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
East Walker near Bridgeport, Calif.*	70	48	73
West Walker near Coleville, Calif.	145	128	160

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

* Apr.-Aug. runoff period corrected for change in Bridgeport Reservoir.

MARCH 1, 1958

WATER SUPPLY OUTLOOK

Virginia Lakes snow course was measured before the heavy storms during the last week of February. Sonora Pass, measured after the storms, reported 25.2 inches of water. This increased Sonora Pass 11 inches during February and materially improved irrigation season water supply prospects.

Mountain soil conditions are reported as saturated. Lower elevations have received heavy rains during February.

The U. S. Geological Survey reported the West Walker at Coleville flowed 3,300 acre feet during February or 110 percent of median. Reservoir storage of Bridgeport and Topaz is good at 83 percent of the 15 year 1938-52 normal.

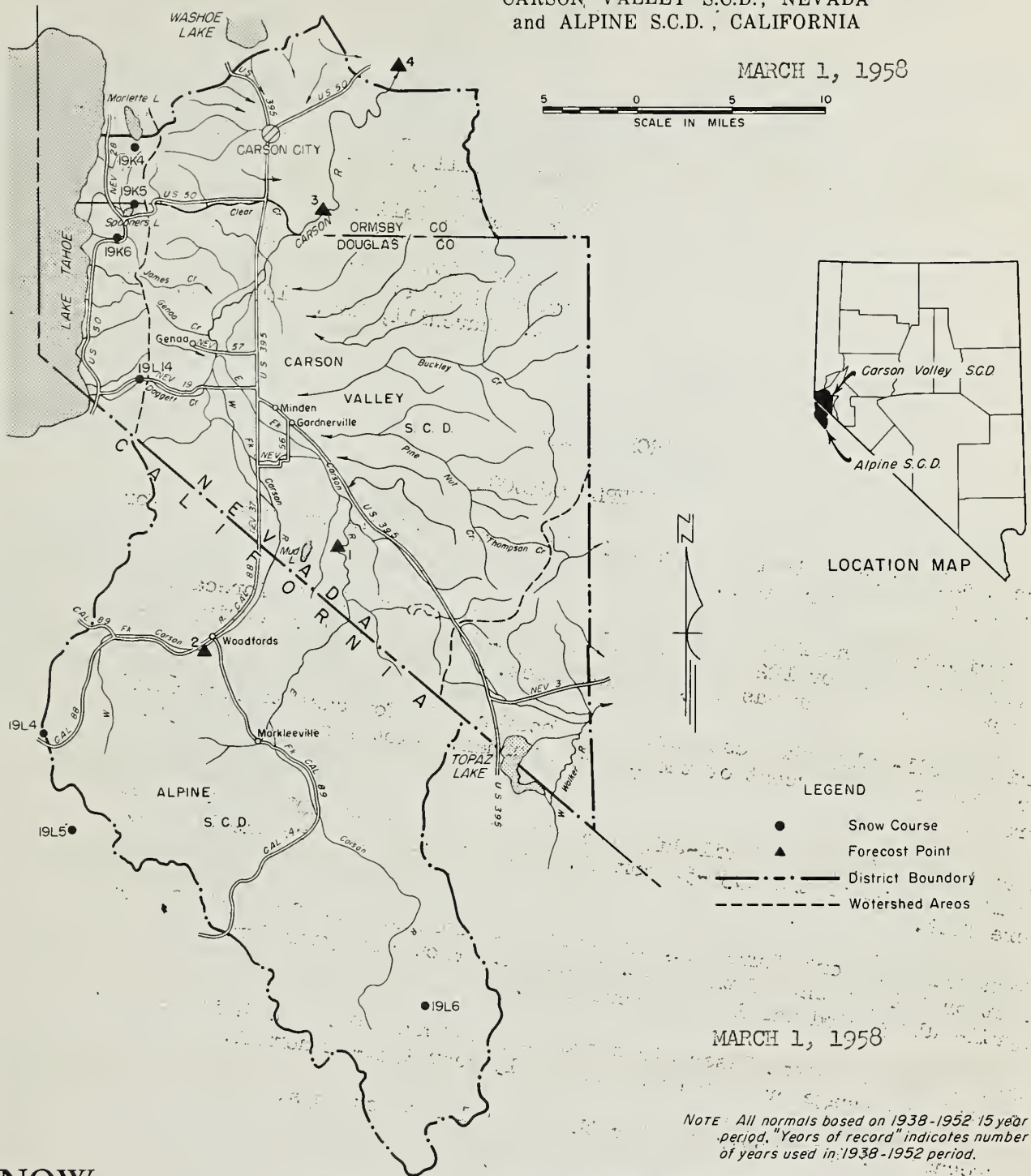
Forecast of the East Walker near Bridgeport, for the April through August period, is 70,000 acre feet or 96 percent of the 1938-52 normal. The West Walker near Coleville, for the April-July period, is forecast at 145,000 acre feet or 90 percent of the 1938-52 normal.

Forecast will be revised on April 1.

SNOW SURVEY & WATER SUPPLY FORECAST

CARSON VALLEY S.C.D., NEVADA
and ALPINE S.C.D., CALIFORNIA

MARCH 1, 1958



LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary
- - - Watershed Areas

MARCH 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
No.	NAME	ELEVATION				LAST YEAR	NORMAL	
19L6	Poison Flat	7900	No	Survey		-	-	-
19L5	Blue Lakes	3000	No	Survey		-	31.7	11
19L4	Carson Pass	3600	3/2	99	35.4	24.6	30.0	15
19L14	Daggetts Pass	7350	2/26	33	10.4	6.0	11.9	14
19K6	Glenbrook #2	6900	2/26	43	12.7	7.3	13.6	7
19K5	Clear Creek	7300	2/26	46	15.1	7.7	16.8	4
19K4	Marlette Lake	3000	2/26	70	22.7	13.8	21.7	15

MARCH 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Lahontan	286	205	225	218

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
East Carson near Gardnerville, Nev.	238	162	195
West Carson at Woodfords, Calif.	64	50	55
Carson River near Carson City, Nev.	229	148	192
Carson River at Ft. Churchill, Nev.	193	157	189

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

MARCH 1, 1958

WATER SUPPLY OUTLOOK

March 1 snow surveys in the Sierras indicate an excellent water supply for users of Carson River water.

The April-July runoff of the East Carson near Gardnerville is forecast at 238,000 acre feet or 122 percent of the 1938-52 normal. Flow during the same period last year was 162,000 acre feet.

During April-July, the West Carson at Woodfords is forecast to flow 64,000 acre feet or 116 percent of the 1938-52 normal. Flow last year was 50,000 acre feet.

Near Carson City, the April-July flow is expected to be 229,000 acre feet or 119 percent of the 1938-52 normal. Last year's flow here was 148,000 acre feet.

Downstream at Fort Churchill, the Carson is forecast to flow 193,000 acre feet or 102 percent of the 1938-52 normal. Flow last year during the April-July period was 157,000 acre feet.

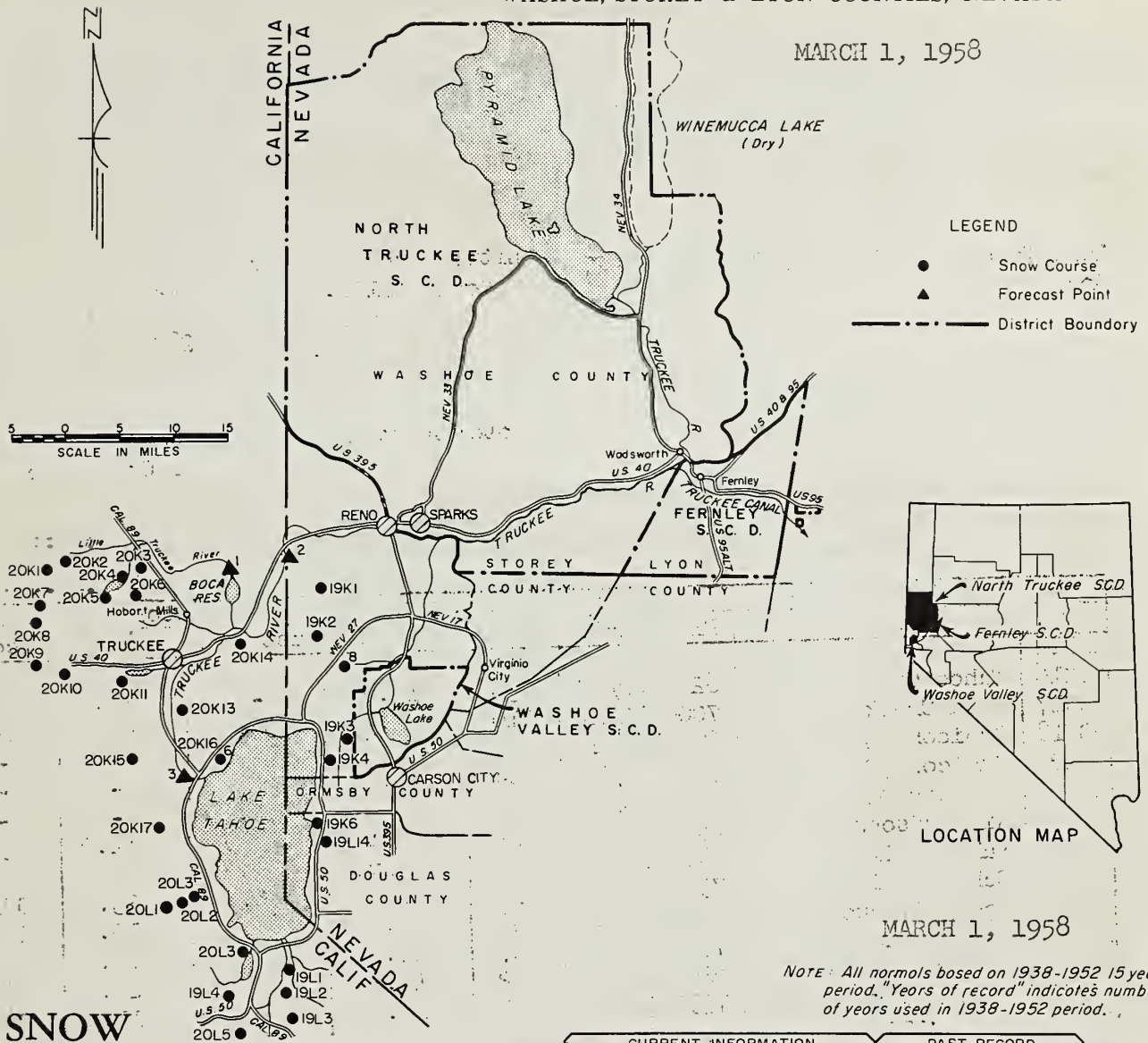
On March 1, Lahontan Reservoir stored 205,000 acre feet which is 72 percent of usable storage or 94 percent of the 15 year 1938-52 normal.

Forecasts will be revised after the April 1 snow surveys.

SNOW SURVEY & WATER SUPPLY FORECAST

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D's.
WASHOE, STOREY & LYON COUNTIES, NEVADA

MARCH 1, 1958



MARCH 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
No.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH. (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
						LAST YEAR	NORMAL	
TRUCKEE RIVER								
20K9	Soda Springs	6750	2/26	38	34.8	26.6	31.9	15
20K3	Furnace Flat	6600	2/27	100	45.3	35.0	41.5	15
20K7	Fordyce Lake	6500	3/4	38	39.2	26.8	36.0	15
20K1	Webber Peak	8000	No Survey					
20K2	Webber Lake	7000	No Survey					
20K10	Donner Summit	6900	2/26	104	35.7	25.6	34.7	15
20K5	Independence Lake	8450	No Survey					
20K4	Independence Camp	7000	3/3	61	23.9	18.4	17.9	10
20K3	Independence Creek	6500	3/3	41	14.6	10.1	11.4	11
20K6	Sage Hen Creek	6500	2/28	55	18.8	13.9	15.4	14
20K11	Donner Lake #1	5950	3/4	55	22.3	14.3	16.1	7
20K15	Squaw Valley	7500	No Survey					
20K13	Truckee #2	6400	2/28	44	14.5	10.2	15.6	9
20K14	Boca #2	5900	3/4	26	7.7	3.2	9.0	10
19K1	Big Meadows	8000	No Survey					
19K2	Mt. Rose	9000	No Survey					
19K3	Little Valley	6300	No Survey					

MARCH 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Lake Tahoe	732	583	602	427
Boca	41	10	10	8

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
Little Truckee above Boca, Calif.	95	71	80
Truckee River at Farad, Calif.	280	206	279
Note: Above forecast prepared by Truckee Basin Water Committee			

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

Snow Course			Current Information			Past Record		Years Record
No.	Name	Elev.	Date	Depth	Content	Last Year	Normal	
TAHOE								
20K16	Tahoe City	6250	2/27	36	13.2	-	13.5	15
20K17	Ward Creek	7000	2/27	110	42.5	32.0	43.8	11
20K18	Rubicon #3	6700	3/2	60	20.6	16.1	-	-
20L2	Rubicon #2	7500	3/1	84	31.4	23.5	-	-
20L1	Rubicon #1	8100	3/1	138	48.4	34.1	-	-
20L3	Richardsons #2	6500	3/2	51	19.1	12.9	12.2	5
20L4	Lake Lucille	8400			No Survey			
20L5	Echo Summit	7500	2/28	97	32.7	26.1	33.8	11
19L1	Upper Truckee	6400	2/25	33	10.0	6.6	10.6	13
19L2	Freel Bench	7300	2/25	37	12.0	8.5	14.0	8
19L3	Hagans Meadow	8100	2/25	62	19.7	17.2	24.3	4
19L14	Daggetts Pass	7350	2/26	33	10.4	6.0	11.9	14
19K6	Glenbrook #2	6900	2/26	43	12.7	7.3	13.6	7
19K4	Marlette Lake	8000	2/26	70	22.7	13.8	21.7	15

MARCH 1, 1958 WATER SUPPLY OUTLOOK

The March 1 elevation of Lake Tahoe was 6227.86. According to the Truckee Basin Forecast Committee it will be possible to fill Lake Tahoe to maximum elevation of 6229.1 and some draft will be necessary to prevent the Lake from exceeding that elevation. This is assuming normal temperatures and precipitation from now to the end of the April-July forecast period.

The Committee is forecasting an unimpaired runoff on the Truckee River at Farad of normal at 280,000 acre feet. This is assuming normal spring precipitation. Donner Lake is expected to fill. On the Little Truckee above Boca the forecast is for 95,000 acre feet during the April-July period and will be sufficient to fill Boca Reservoir.

It appears that a full water supply will be available for irrigation and power uses on the Truckee River for the coming season, as nearly normal runoff may be expected and storage hold-over is good.

Forecasts will be revised after the April 1 snow surveys.

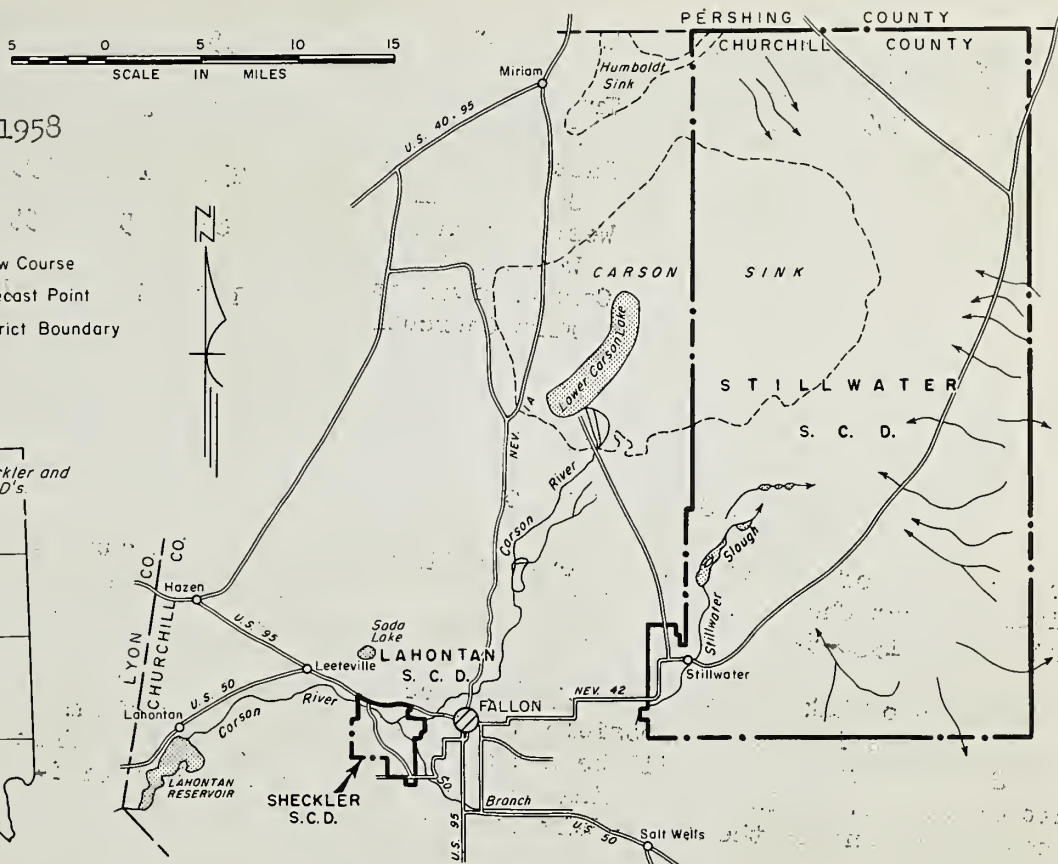
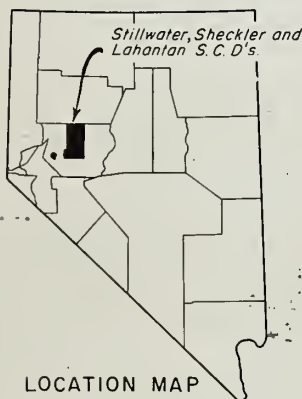
SNOW SURVEY & WATER SUPPLY FORECAST

STILLWATER, SHECKLER, LAHONTAN S.C.D's. & VICINITY
CHURCHILL COUNTY, NEVADA

MARCH 1, 1958

LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary



MARCH 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
No	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
						LAST YEAR	NORMAL	
TAHOE								
20K16	Tahoe City	6250	2/27	36	13.2		15.8	15
20K17	Ward Creek	7000	2/27	110	42.5	32.0	43.8	11
20L5	Echo Summit	7500	2/28	97	32.7	26.1	33.8	11
19L3	Hagans Meadow	8100	2/25	62	19.7	17.2	24.3	4
Note: More complete information on Plate 3								
TRUCKEE								
20K10	Donner Summit	5900	2/26	104	35.7	25.6	34.7	15
20K11	Donner Lake #1	5950	3/4	55	22.3	14.3	16.1	7
20K14	Independence Camp	7000	3/3	61	23.9	18.4	17.9	10
20K6	Sage Hen Creek	6500	2/28	55	18.8	13.9	15.4	14
20K14	Boca #2	5900	3/4	26	7.7	3.2	9.0	10
Note: More complete information on Plate 3								
CARSON RIVER								
19L4	Carson Pass	8600	3/2	99	35.4	24.6	30.0	15
19K5	Clear Creek	7300	2/26	46	15.1	7.7	16.8	4
19L6	Poison Flat	7900		No Survey Scheduled				
19L5	Blue Lakes	8000		No Survey Scheduled				
Note: More complete information on Plate 2								

MARCH 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Lake Tahoe	732	583	502	427
Boca	41	10	10	8
Lahontan	286	205	225	218

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
Little Truckee above Boca, Calif.	95	71	80
Truckee River at Farad, Calif.	280	206	279
East Carson near Gardnerville	238	162	195
West Carson at Woodfords	64	50	55
Carson River at Fort Churchill	193	159	189

MARCH 1, 1958

WATER SUPPLY OUTLOOK

This area has prospects of a good water year according to recent snow surveys. The Carson River at Fort Churchill is being forecasted at 193,000 acre feet or 102 percent of the 1938-52 normal. See Plate 2a for more detailed outlook

The March 1 elevation of Lake Tahoe was 6227.66. According to the Truckee Basin Forecast Committee it will be possible to fill Lake Tahoe to maximum elevation of 6229.1 and some draft will be necessary to prevent the lake from exceeding that elevation. This is assuming normal temperatures and precipitation from now to the end of the April-July forecast period.

The Committee is forecasting an unimpaired runoff on the Truckee River at Farad of normal at 280,000 acre feet. This is assuming normal spring precipitation. Donner Lake is expected to fill. On the Little Truckee above Boca the forecast is for 95,000 acre feet during the April-July period and will be sufficient to fill Boca Reservoir.

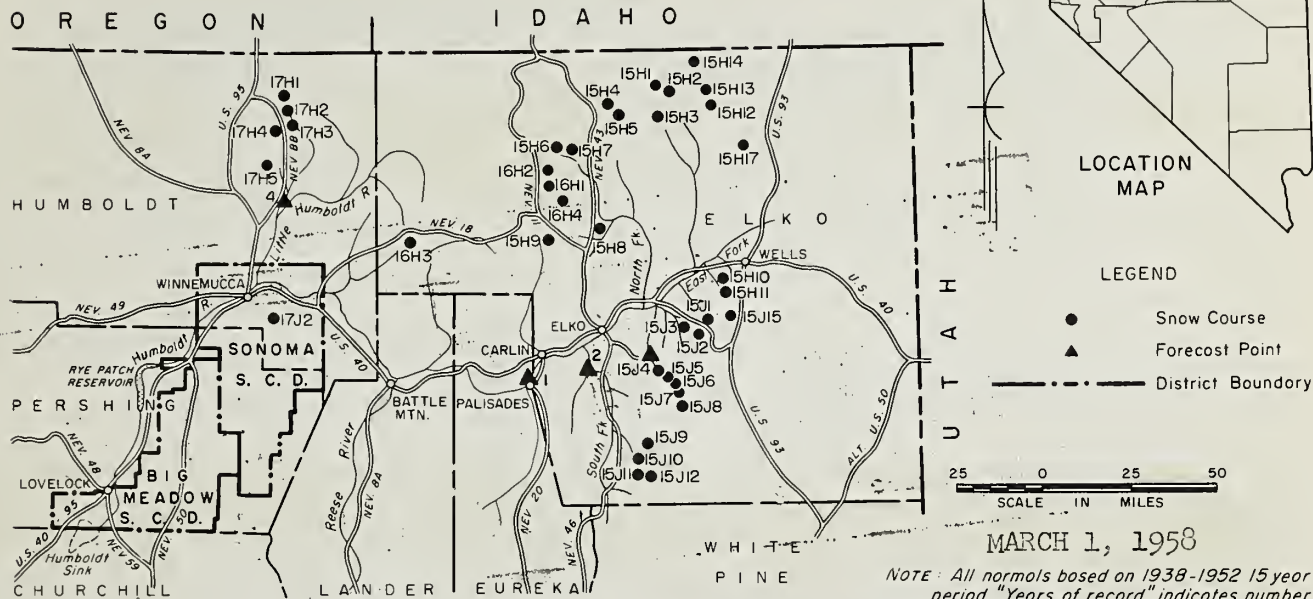
It appears that a full water supply will be available for irrigation and power uses on the Truckee River for the coming season, as nearly normal runoff may be expected and storage hold-over is good.

Forecasts will be revised after the April 1 snow surveys.

SNOW SURVEY & WATER SUPPLY FORECAST

SONOMA & BIG MEADOW S.C.D.'s., HUMBOLDT RIVER WATERSHED, NEVADA

MARCH 1, 1958



SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
No	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
						LAST YEAR	NORMAL	
15H14	Pole Creek R. S.	8330	2/26	63	17.4	13.8	-	-
15H1	Bear Creek	7800	2/27	69	18.4	16.5	17.1	15
15H2	Fox Creek	6300	2/27	34	9.9	5.9	8.8	15
15H13	Goat Creek	8800	2/28	57	17.2	13.8	-	-
15H12	Hummingbird Springs	8945	2/28	66	19.0	17.2	-	-
15H4	Big Bend	6700	2/25	40	12.6	5.6	9.4	15
15H3	76 Creek	7100	2/27	49	14.8	7.4	12.3	6
15H5	Gold Creek	6600	2/25	29	9.4	4.1	6.3	14
15H6	Rodeo Flat	6800	2/25	38	13.9	5.4	9.9	15
15H7	Fry Canyon	6700	2/25	34	12.4	3.8	9.0	15
15H17	Bull Camp	6000	2/28	9	3.1	New Course		
16H2	Upper Jack Creek	7250	3/1	48	17.0	8.6	9.6	14
16H1	Lower Jack Creek	6800	3/1	27	8.7	T	4.0	15
16H4	Jacks Peak	8420	3/1	103	33.4	20.0	New Course	
15H9	Taylor Canyon	6200	3/1	20	7.2	0	5.4	15
15H8	Tremewan Ranch	5700	2/27	6	1.5	0	2.2	15
15J12	Corral Canyon	8500	3/5	60	19.9	10.9	15.2	13
15J11	Harrison Pass #2	7400	3/5	24	7.8	1.0	4.6	13
15J10	Harrison Pass #1	6600	3/4	18	5.8	T	4.6	15
15J9	Green Mountain	8000	3/4	51	18.0	8.7	11.8	13
15J8	Lamoille #5	8700	3/3	88	32.2	22.0	23.3	13
15J7	Lamoille #4	8000	3/3	61	20.2	14.0	18.0	12
15J6	Lamoille #3	7700	3/3	42	13.7	9.6	12.7	15
15J5	Lamoille #2	7300	3/3	36	12.3	5.6	10.1	15
15J4	Lamoille #1	7100	3/3	37	11.7	7.9	19.9	15
15J2	Ryan Ranch	5800	2/28	7	2.4	0	1.8	15
15J3	Dry Creek	6500	3/1	17	5.4	0	5.3	14
15J1	Dorsey Basin	8100	3/1	46	11.4	3.9	10.5	15
15J15	Hole-in-Mountain	7900	2/27	83	27.1	New Course		
15H11	Upper Trout Creek	8500	3/2	70	22.2	18.7	19.8	14
	(over)							

(over)

MARCH 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	81	43	89

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
Martin Creek near Paradise Valley	23	Not Rec'd	18
Humboldt River at Palisade	282	247	249

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

Snow Course			Current Information			Past Record		Years Record
No.	Name	Elev	Date	Depth	Content	Last Year	Normal	
15H10	Lower Trout Creek	6900	3/2	18	6.2	1.9	5.0	13
17H1	Upper Buckskin	7200	2/25	38	14.2	5.4	9.9	12
17H2	Lower Buckskin	6700	2/25	27	9.7	5.9	8.9	12
17H3	Martin Creek	6700	2/25	27	9.1	6.5	8.6	15
17H4	Granite Peak	7800	2/26	49	14.2	12.2	11.2	15
17H5	Lamance Creek	6000	2/26	38	13.4	6.1	10.1	14
16H3	Midas	7200	2/27	19	6.1	1.7	5.2	12
17J2	Golconda #2	6350	2/27	15	5.6	New Course		

MARCH 1, 1958

WATER SUPPLY OUTLOOK

In general, water supply on the Humboldt River looks very similar to the runoff of 1956. Recent snow surveys show water content of the snow to be nearly identical, both on the north and south feeders. Soil moisture conditions are similar also.

Reservoir storage is much better this year than in 1956. Rye Patch Reservoir storage now is 81,000 acre feet or nearly normal for this time of year. This represents the best storage since 1954. Winter streamflow has been excellent and Rye Patch has had an opportunity to increase its storage.

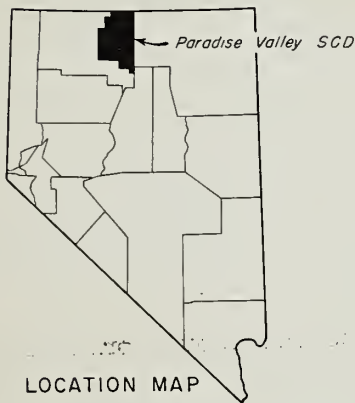
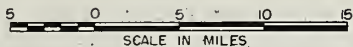
Valley precipitation has been good throughout the winter. If spring rains continue, excellent range conditions are in prospect.

Forecasts will be revised after the April 1 snow survey.

SNOW SURVEY & WATER SUPPLY FORECAST

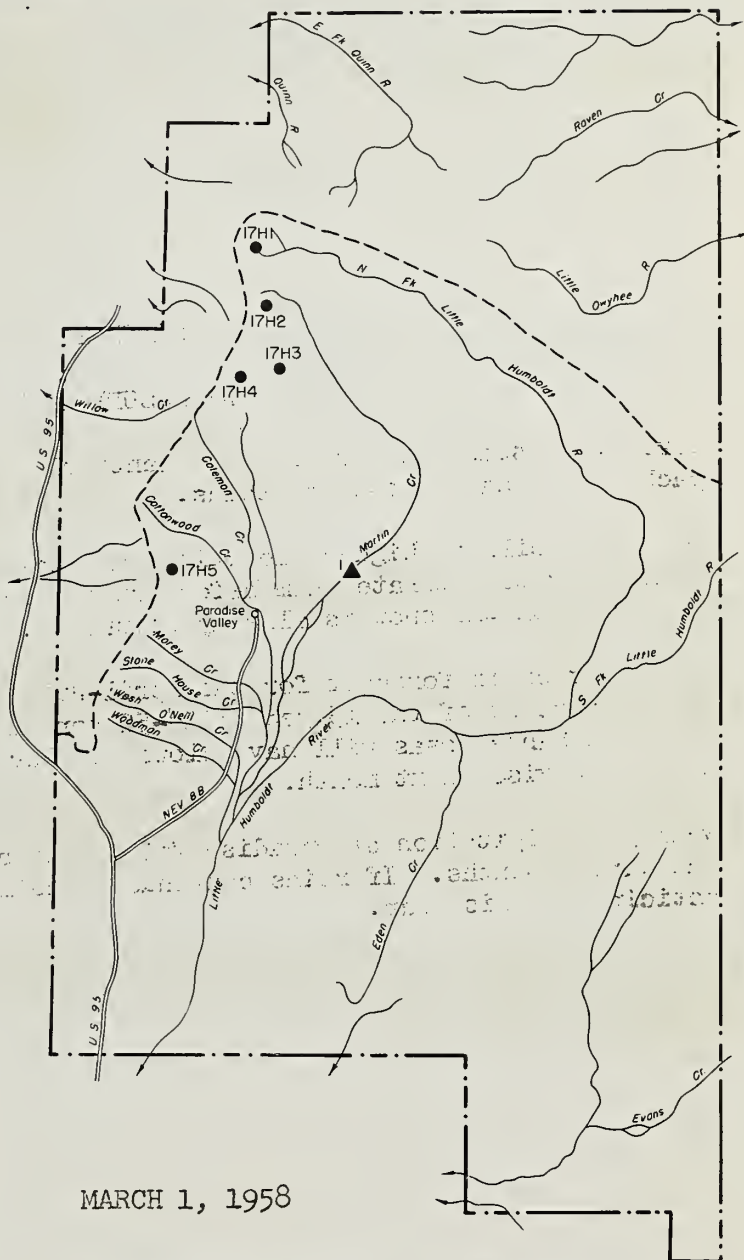
PARADISE VALLEY S.C.D., HUMBOLDT COUNTY, NEVADA

MARCH 1, 1958



LEGEND

- Snow Course
- ▲ Forecast Point
- - - District Boundary
- - - Watershed Areas



MARCH 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
No.	NAME	ELEVATION				LAST YEAR	NORMAL	
17H1	Upper Buckskin	7200	2/25	38	14.2	5.4	9.9	12
17H2	Lower Buckskin	6700	2/25	27	9.7	5.9	8.9	12
17H3	Martin Creek	6700	2/25	27	3.8	6.5	8.6	15
17H4	Granite Peak	7800	2/26	49	14.2	12.2	11.2	15
17H5	Lamance Creek	6000	2/26	38	13.4	6.1	10.1	14

MARCH 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	81	43	89

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
Martin Creek near Paradise Valley	23	Not Rec'd	18
Humboldt River at Palisade	282	247	249

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

MARCH 1, 1958

WATER SUPPLY OUTLOOK

Irrigation season water will be plentiful according to the above normal snow pack on the Santa Rosa Mountains.

Mountain soils at higher elevations are moist and will use some of the snow pack water to saturate them before runoff occurs. At lower elevations the soil beneath the snow is already saturated.

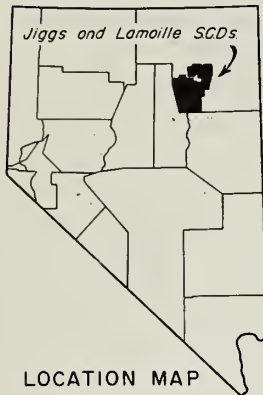
Martin Creek is forecast for the April-July period to flow 23,000 acre feet or 128 percent of the 15 year 1938-52 normal. All smaller creeks coming from the Santa Rosas will have flows similar to Martin Creek. This forecast will be revised next month.

Valley precipitation at Paradise Valley has been running above normal during the winter months. If rains continue, excellent range conditions can be anticipated this year.

SNOW SURVEY & WATER SUPPLY FORECAST

JIGGS & LAMOILLE S.C.D's., ELKO COUNTY, NEVADA

MARCH 1, 1958
SCALE IN MILES
5 0 5 10

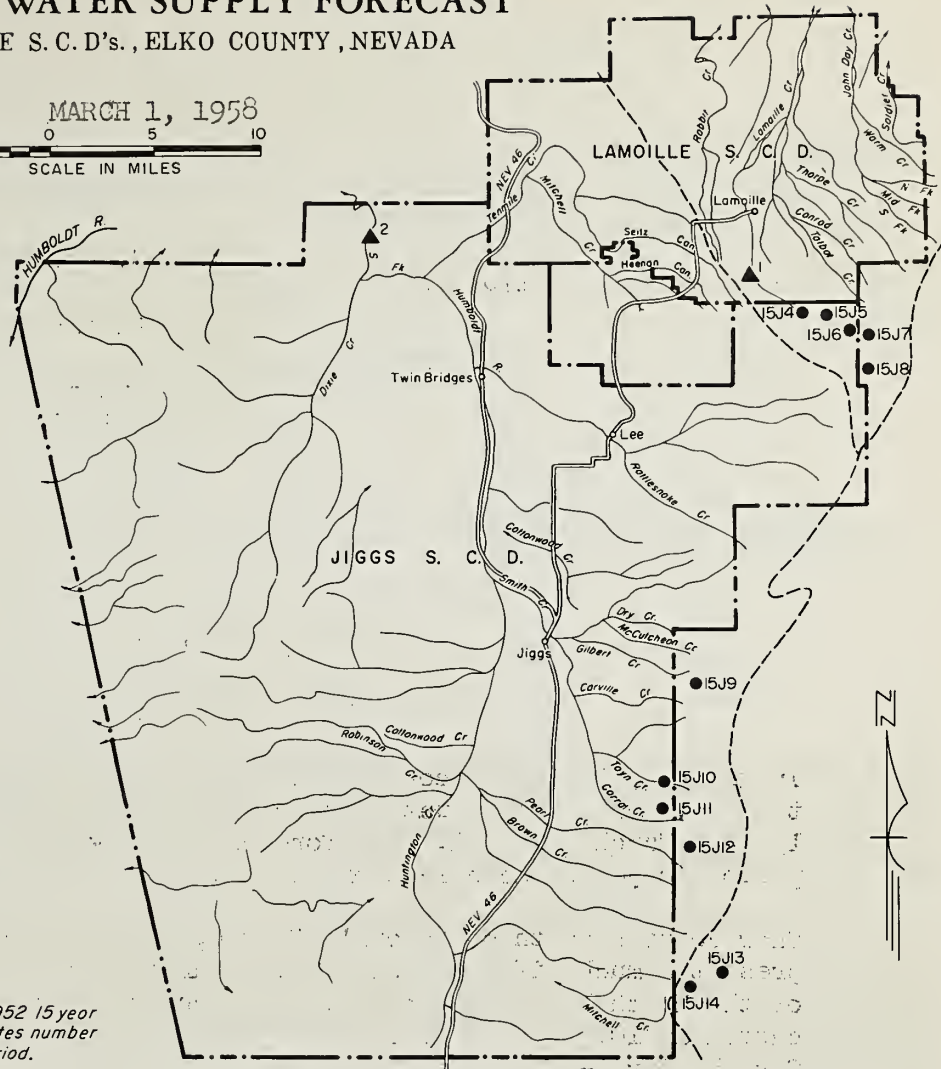


LEGEND

- Snow Course
- ▲ Forecast Point
- District Boundary
- - - Watershed Areas

MARCH 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.



SNOW

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
No.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
						LAST YEAR	NORMAL	
15J3	Lamoille #5	8700	3/3	88	32.2	22.0	23.3	13
15J7	Lamoille #4	8000	3/3	61	20.2	14.0	18.0	12
15J6	Lamoille #3	7700	3/3	42	13.7	9.6	12.7	15
15J5	Lamoille #2	7300	3/3	36	12.3	5.6	10.1	15
15J4	Lamoille #1	7100	3/3	37	11.7	7.0	9.9	15
15J9	Green Mountain	8000	3/4	50	18.0	8.7	11.8	13
15J11	Harrison #2	7400	3/5	24	7.8	1.0	4.6	13
15J10	Harrison #1	6600	3/4	18	5.8	T	4.6	15
15J12	Corral Canyon	8500	3/5	60	19.9	10.9	15.2	13
15J13	Cave Creek	7500	2/28	56	20.7	-	15.5	11
15J14	Hager Canyon	8000	2/28	77	27.6	-	18.5	12

MARCH 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	81	43	89

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
S. Fk. Humboldt River near Elko	107	78	84
Lamoille Creek near Lamoille	30	34	30
Humboldt River at Palisade	282	247	249

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

MARCH 1, 1958

WATER SUPPLY OUTLOOK

In general, the water content of the snow pack on the Ruby Mountains is similar to 1956. Snow stored water in Lamoille Canyon is 120 percent of the 15 year 1938-52 March 1 normal. The forecast of Lamoille Creek for the April-July period is 30,000 acre feet or normal.

Snow courses south of Lamoille Canyon, on the headwaters of the South Fork present a much different picture. Four snow courses here average 145 percent of the March 1 15 year normal. Consequently, the South Fork is being forecasted at 107,000 acre feet or 127 percent of the 15 year normal. This is for the April-July period.

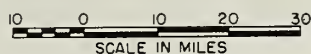
Smaller streams north of Lamoille are expected to flow about normal while streams to the south of Lamoille will be considerably above normal.

Forecasts will be revised after the April 1 snow surveys.

SNOW SURVEY & WATER SUPPLY FORECAST

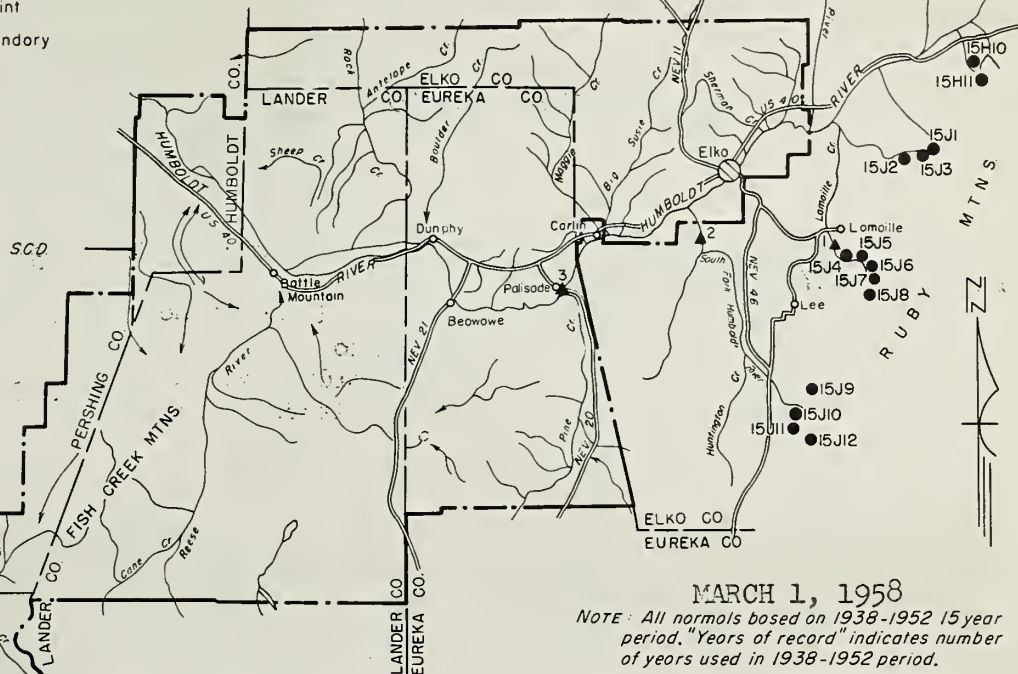
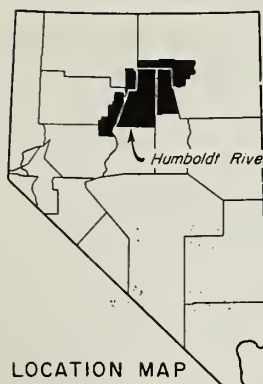
HUMBOLDT RIVER S.C.D., CHURCHILL, ELKO, EUREKA.
HUMBOLDT, LANDER, & PERSHING COUNTIES, NEVADA

MARCH 1, 1958



LEGEND

- Snow Course
- ▲ Forecast Point
- - - District Boundary



MARCH 1, 1958

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

SNOW

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
No.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
						LAST YEAR	NORMAL	
15H1	Bear Creek	7800	2/27	69	18.4	16.5	17.1	15
15H2	Fox Creek	6800	2/27	34	9.9	5.9	8.8	15
15H3	76 Creek	7100	2/27	49	14.8	7.4	12.3	6
15H4	Big Bend	6700	2/25	40	12.6	5.6	9.4	15
15H5	Gold Creek	6600	2/25	29	9.4	4.1	6.3	14
15H6	Rodeo Flat	6800	2/25	38	13.9	5.4	9.9	15
15H7	Fry Canyon	6700	2/25	34	12.4	3.8	9.0	15
16H2	Upper Jack Creek	7250	3/1	48	17.0	8.6	9.6	14
16H1	Lower Jack Creek	6300	3/1	27	8.7	T	4.0	15
16H4	Jacks Peak	8420	3/1	103	33.4	20.0	New Course	
15H8	Tremewan Ranch	5700	2/27	6	1.5	0	2.2	15
15H9	Taylor Canyon	6200	3/1	20	7.2	0	5.4	15
15H11	Upper Trout Creek	8500	3/2	70	22.2	18.7	19.8	14
15H10	Lower Trout Creek	6900	3/2	18	6.2	1.9	5.0	13
15J1	Dorsey Basin	8100	3/1	46	11.4	3.9	10.5	15
15J3	Dry Creek	6500	3/1	17	5.4	0	5.3	14
15J2	Ryan Ranch	5800	2/28	7	2.4	0	1.8	15
15J8	Lamoille #5	8700	3/3	88	32.2	22.0	23.3	13
15J7	Lamoille #4	8000	3/3	61	20.2	14.0	16.0	12
15J6	Lamoille #3	7700	3/3	42	13.7	9.6	12.7	15
15J5	Lamoille #2	7300	3/3	36	12.3	5.6	10.1	15
15J4	Lamoille #1	7100	3/3	37	11.7	7.0	9.9	15
15J12	Corral Canyon	8500	3/5	60	19.9	10.9	15.2	13
15J11	Harrison #2	7400	3/5	24	7.8	1.0	4.6	13
15J10	Harrison #1	6600	3/4	18	5.8	T	4.6	15
15J9	Green Mountain	8000	3/4	50	18.0	8.7	11.8	13

MARCH 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	81	43	89

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
Lamoille Creek near Lamoille	30	34	30
S.Fk. Humboldt near Elko	107	78	84
Humboldt River at Palisade	282	247	249

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

MARCH 1, 1958

WATER SUPPLY OUTLOOK

This area has excellent irrigation season water prospects. The northern tributary streams of the Humboldt River have well above normal snow stored water. The Ruby Mountain snow pack ranges from 118 percent at the north end to 145 percent at the south end.

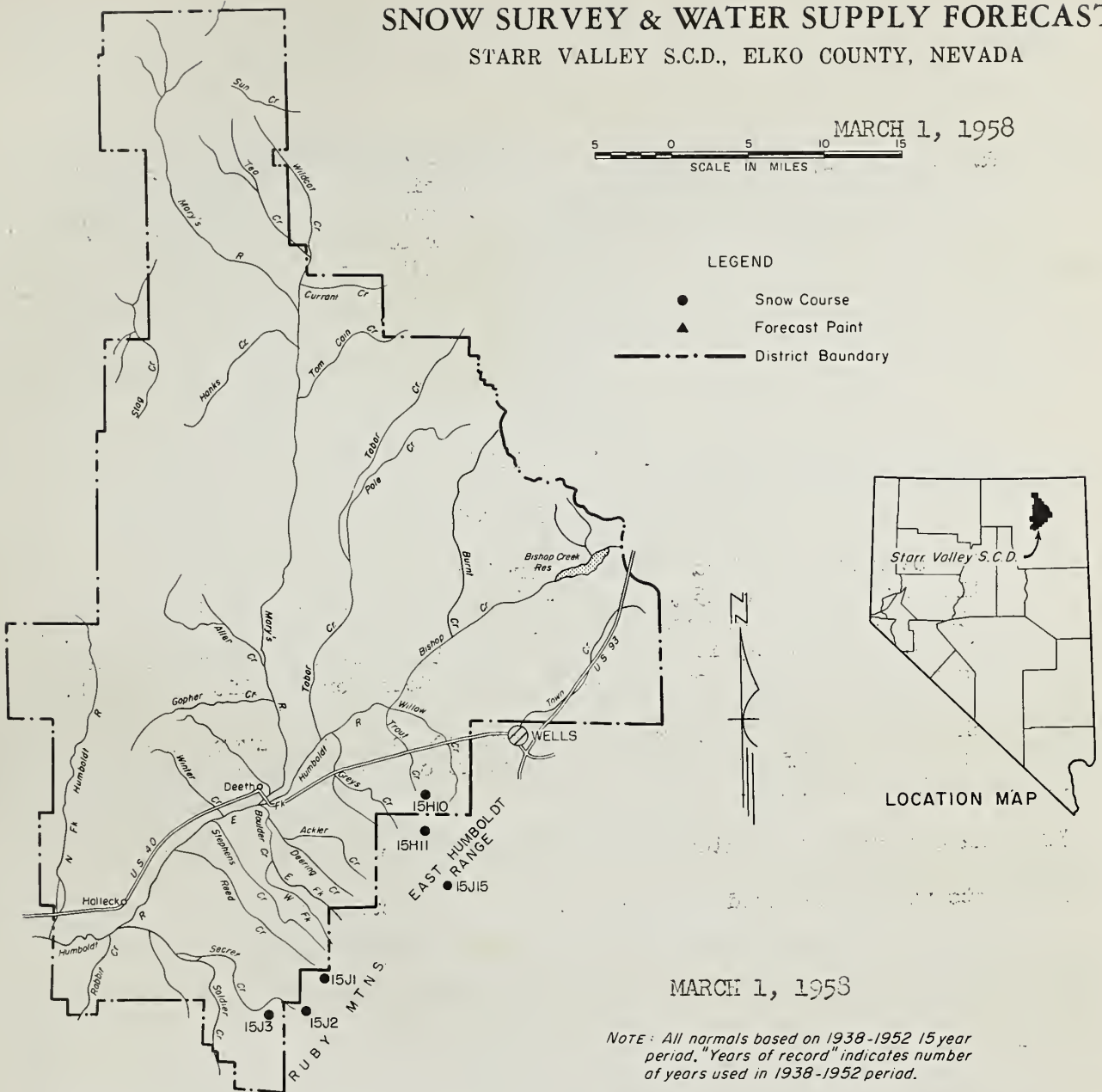
Winter flow of the Humboldt has been good and Rye Patch Reservoir has had an opportunity to approach normal storage. This is the best storage in Rye Patch since 1954.

Lamoille Creek is forecast at normal while the heavy snow pack on the South Fork makes a 127 percent of normal forecast possible. The Humboldt River at Palisade is forecast to flow 113 percent of the 15 year 1938-52 normal.

Forecasts will be revised after the April 1 snow surveys.

SNOW SURVEY & WATER SUPPLY FORECAST

STARR VALLEY S.C.D., ELKO COUNTY, NEVADA



SNOW

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
No	NAME	ELEVATION				LAST YEAR	NORMAL	
15H10	Lower Trout Creek	6900	3/2	18	6.2	1.9	5.0	13
15H11	Upper Trout Creek	8500	3/2	70	22.2	13.7	19.8	14
15J15	Hole-in-Mountain	7900	2/27	83	27.1	New Course		
15J1	Dorsey Basin	8100	3/1	46	11.4	3.9	10.5	15
15J2	Dry Creek	6500	3/1	17	5.4	0	5.3	14
15J3	Ryan Ranch	5800	2/23	7	2.4	0	1.8	15

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	81	43	89

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
Lamoille Creek near Lamoille	30	34	30
So. Fork Humboldt near Elko.	107	78	84
Humboldt River at Palisade	282	247	249

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

MARCH 1, 1958

WATER SUPPLY OUTLOOK

March 1 snow surveys indicated snow stored water on the two Trout Creek courses to be 118 percent of the 15 year 1938-52 March 1 normal. Three courses on Secret Creek were 114 percent of the normal while the Lamoille courses averaged 120 percent. From this, it appears that excellent irrigation season water supplies are in prospect for the Starr Valley Soil Conservation District.

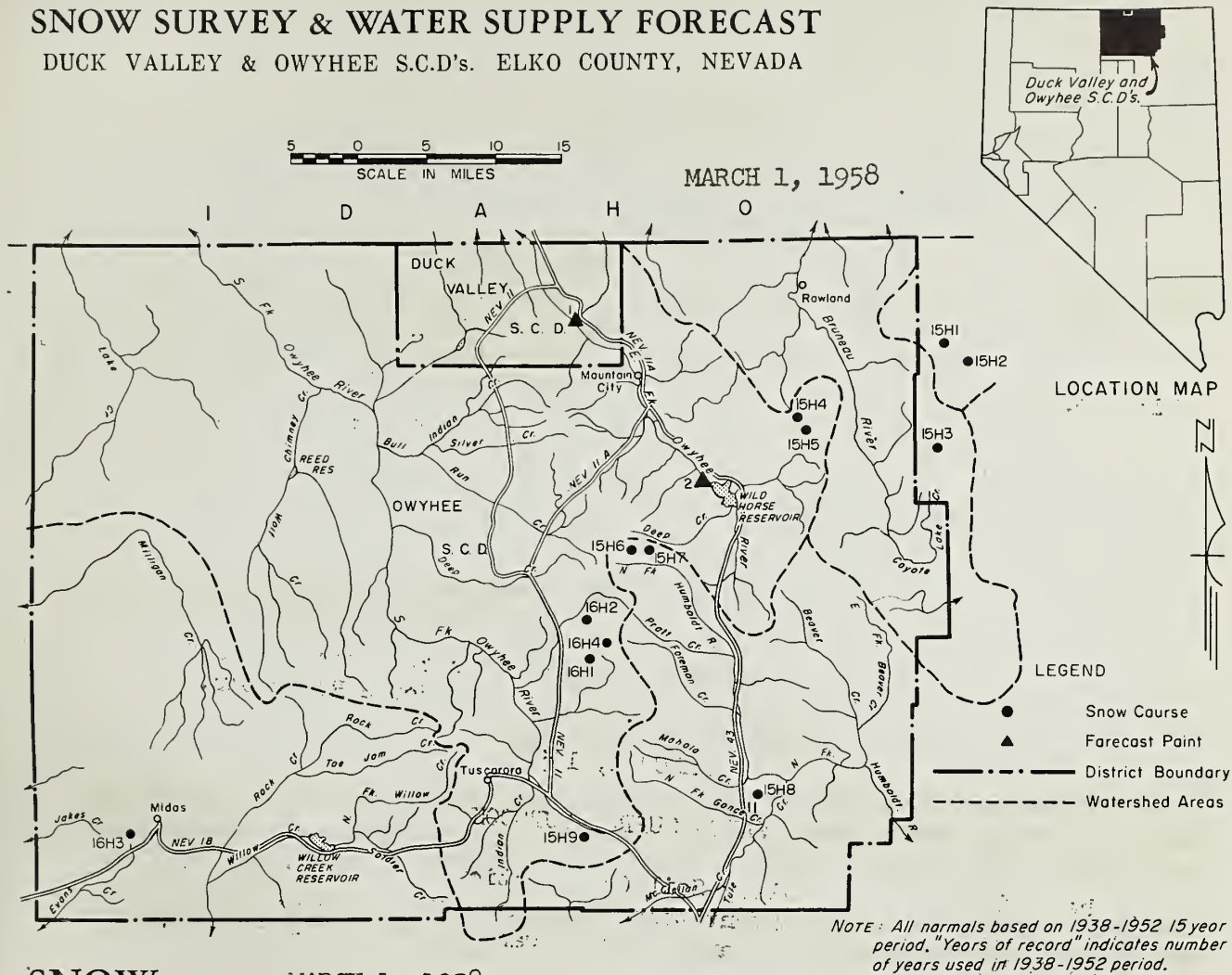
76 Creek snow course, adjacent to the upper end of Marys River, measured 14.8 inches of water. This represents 120 percent of the normal and flow in Marys River should be similar.

If we have fair spring rains, range conditions should be excellent this year.

Forecasts will be revised after the April 1 snow surveys.

SNOW SURVEY & WATER SUPPLY FORECAST

DUCK VALLEY & OWYHEE S.C.D.'s. ELKO COUNTY, NEVADA



SNOW

MARCH 1, 1958

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
No.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
						LAST YEAR	NORMAL	
15H1	Bear Creek	7800	2/27	69	18.3	16.5	17.1	15
15H2	Fox Creek	6800	2/27	34	9.9	5.9	8.8	15
15H3	76 Creek	7100	2/27	49	14.8	7.4	12.3	6
15H4	Big Bend	6700	2/25	40	12.6	5.6	9.4	15
15H5	Gold Creek	6600	2/25	29	9.4	4.1	6.3	14
15H7	Fry Canyon	6700	2/25	34	12.4	3.8	9.0	15
15H6	Rodeo Flat	6800	2/25	38	13.9	5.4	9.9	15
16H2	Upper Jack Creek	7250	3/1	48	17.0	8.6	9.6	14
16H4	Jacks Peak	8420	3/1	103	33.4	20.0	-	-
16H1	Lower Jack Creek	6800	3/1	27	8.7	T	4.0	15
15H8	Tremewan Ranch	5700	2/27	6	1.5	0	2.2	15
15H9	Taylor Canyon	6200	3/1	20	7.2	0	5.4	15
16H3	Midas	7200	2/27	19	6.1	1.7	5.2	12

MARCH 1, 1958

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	NORMAL
Wild Horse	33	20	26	12

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED	
	THIS YEAR	LAST YEAR	NORMAL
Owyhee River near Gold Creek ^{1/}	41	28	28
Owyhee River near Owyhee ^{1/}	127	102	88

NOTE: All normals based on 1938-1952 15 year period.
The forecast period is from April 1 through July 31.

^{1/} Corrected for change in storage of Wild Horse Reservoir.

MARCH 1, 1958

WATER SUPPLY OUTLOOK

In the Owyhee and Duck Valley Soil Conservation Districts every snow course measured greater water content this year than one year ago. At nearly every snow course, the ground beneath the snow was reported as saturated.

Five snow courses in or adjacent to the Bruneau River measured 124 percent of the 1938-52 March 1 average. Runoff will be excellent.

Snow courses that reflect water supply conditions on the East Fork of the Owyhee measured about 150 percent of the 1938-52 March 1 normal. April through July runoff on the East Fork of the Owyhee near Gold Creek is forecast at 41,000 acre feet or 146 percent of the 1938-52 normal. Downstream at Owyhee, the April-July runoff of the East Fork of the Owyhee is forecasted at 127,000 acre feet or 144 percent of the 1938-52 normal.

No formal forecasts are made on the South Fork of the Owyhee but snow courses on the Independence Mountains measured 137 percent of the 1938-52 normal. The Jack Creek snow courses average 197 percent of the normal. Runoff of the small creeks from the west slope of the Independence Mountains will be excellent this year.

Snow courses on the east slope of the Independence Mountains that reflect conditions on the North Fork of the Humboldt measured about 115 percent of the 1938-52 March 1 normal. Better than normal water supplies can be expected from this watershed during the spring.

SNOW SURVEY & WATER SUPPLY FORECAST

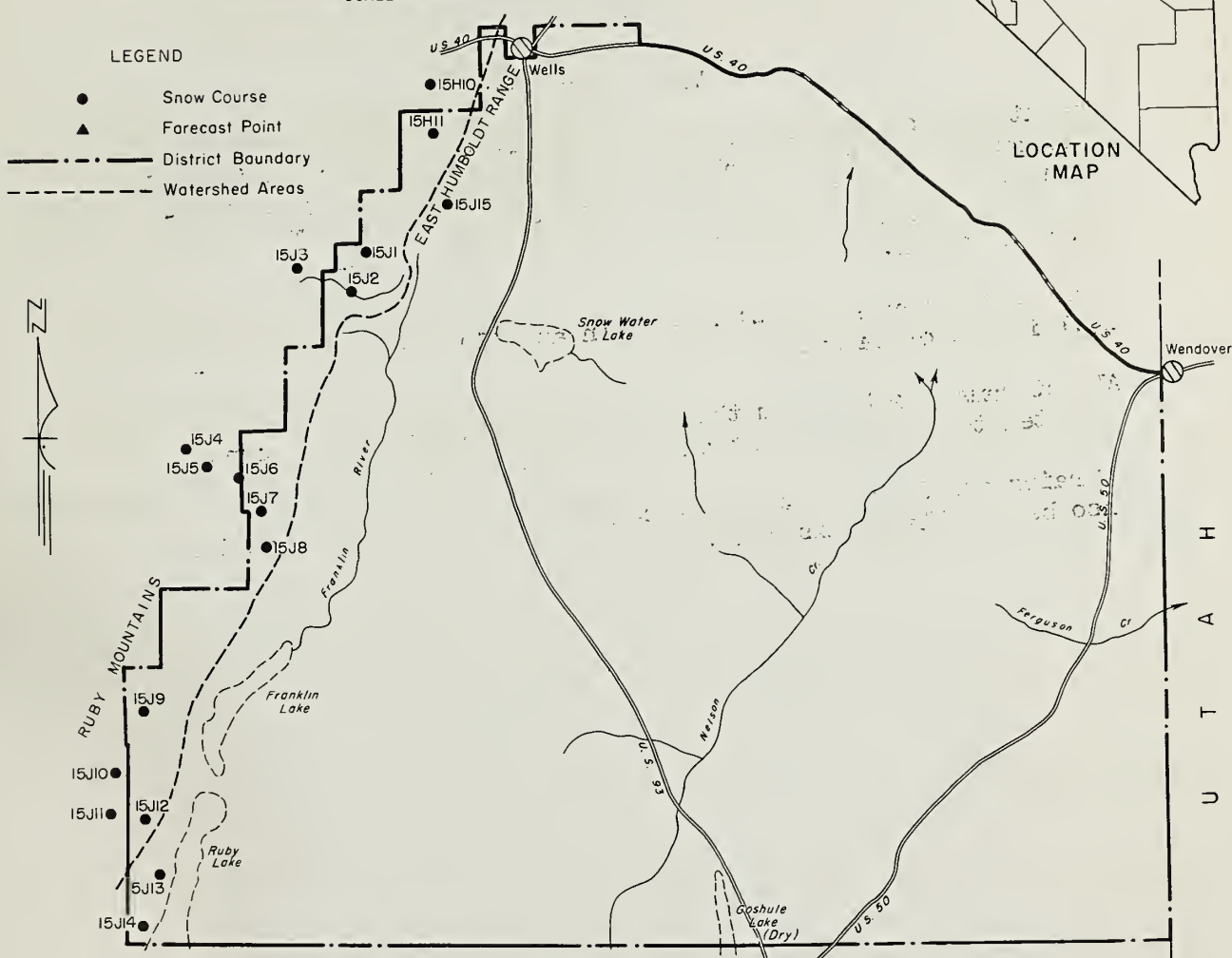
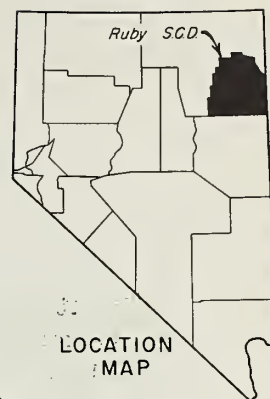
RUBY S.C.D., ELKO COUNTY, NEVADA

MARCH 1, 1958

10 0 10 20
SCALE IN MILES

LEGEND

- Snow Course
- ▲ Forecast Point
- - - District Boundary
- - - Watershed Areas



SNOW

NOTE: All normals based on 1938-1952 15 year period. "Years of record" indicates number of years used in 1938-1952 period.

MARCH 1, 1958

SNOW

of years used in 1938-1952 period.

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
No.	NAME	ELEVATION				LAST YEAR	NORMAL	
15H10	Lower Trout Creek	6900	3/2	70	22.2	1.9	5.0	13
15H11	Upper Trout Creek	8500	3/2	18	6.2	18.7	19.8	14
15J15	Hole-in-Mountain	7900	2/27	83	27.1	New Course		
15J1	Dorsey Basin	8100	3/1	46	11.4	3.9	10.5	15
15J2	Ryan Ranch	5800	2/28	7	2.4	0	1.8	15
15J3	Dry Creek	6500	3/1	17	5.4	0	5.3	14
15J8	Lamoille #5	8700	3/3	88	32.2	22.0	23.3	13
15J7	Lamoille #4	8000	3/3	61	20.2	14.0	18.0	12
15J6	Lamoille #3	7700	3/3	42	13.7	9.6	12.7	15
15J5	Lamoille #2	7300	3/3	36	12.3	5.6	10.1	15
15J4	Lamoille #1	7100	3/3	37	11.7	7.0	9.9	15
15J9	Green Mountain	8000	3/4	50	13.0	8.7	11.8	13
15J12	Corral Canyon	8500	3/5	60	19.9	10.9	15.2	13
15J11	Harrison #2	7400	3/5	24	7.8	1.0	4.6	13
15J10	Harrison #1	6600	3/4	18	5.8	T	4.6	15
15J13	Cave Creek	7500	2/28	56	20.7	-	15.5	11
15J14	Hager Canyon	8000	2/28	77	27.6	-	13.5	12

MARCH 1, 1958

WATER SUPPLY OUTLOOK

Recent snow surveys on the west slope of the Ruby Mountains indicate snow stored water to be about 130 percent of the 15 year 1938-52 normal. Prospects on the east slope are similar. Two courses at the Ruby Lake National Wildlife Refuge surveyed 142 percent of the 1938-52 March 1 normal.

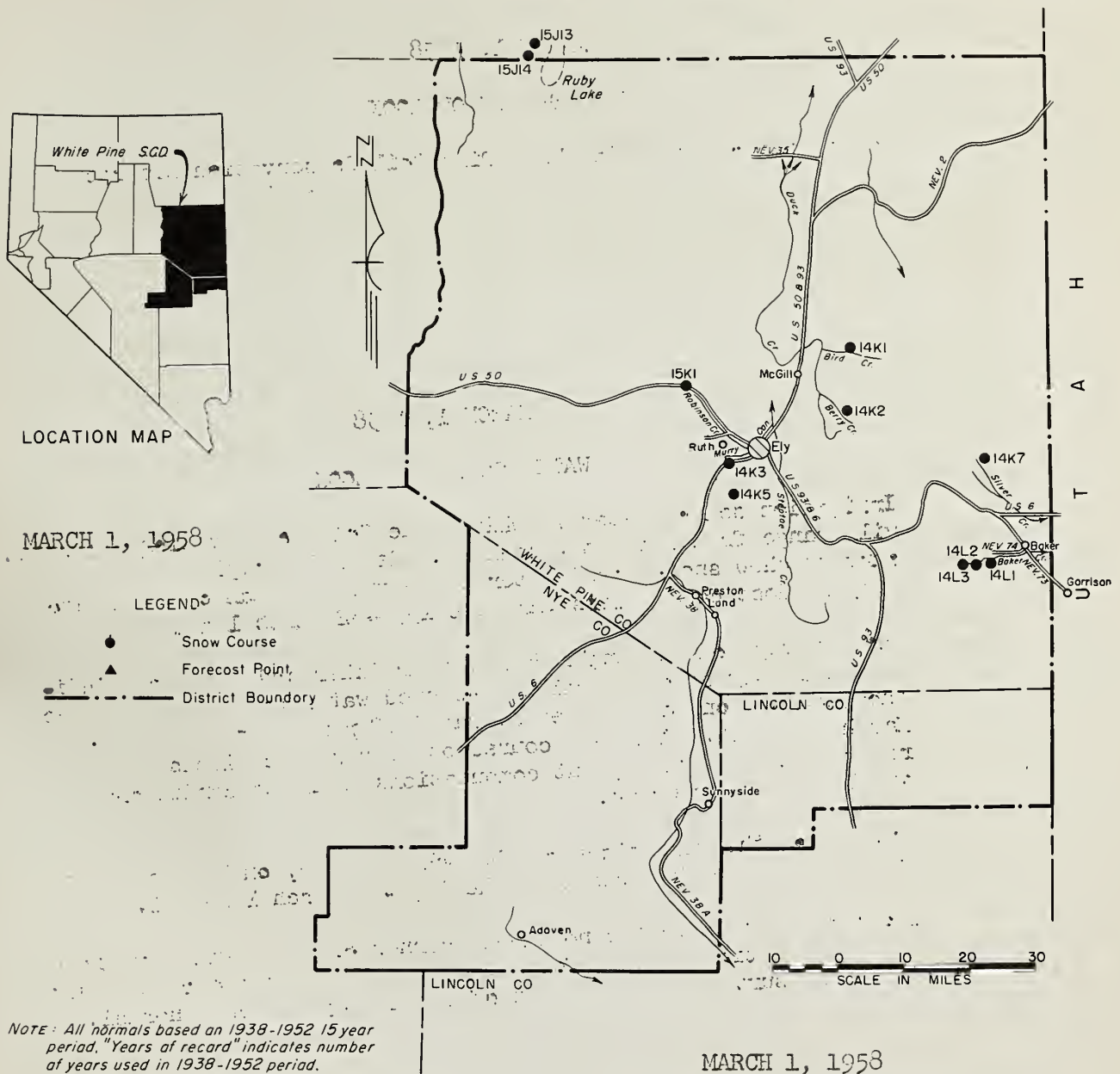
A new snow course, Hole-in-Mountain at 7900 feet elevation, measured 27.1 inches of water.

All streams flowing from the eastern slope of the Ruby Mountains are expected to have excellent supplies this year.

If rains continue for the next couple of months, range conditions should also be excellent this year.

SNOW SURVEY & WATER SUPPLY FORECAST

WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



MARCH 1, 1958

SNOW

SNOW

SNOW COURSE			CURRENT INFORMATION			PAST RECORD		YEARS OF RECORD
No.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		
						LAST YEAR	NORMAL	
15JL3	Cave Creek	7500	2/28	56	20.7	-	15.5	11
15JL4	Hager Canyon	8000	2/28	77	27.6	-	18.5	12
15K1	Robinson Summit	7500	2/26	6	1.3	0	5.2	4
14K3	Murray Summit	7250	2/26	8	2.7	0	4.0	15
14K5	Ward Mountain #2	8900	2/27	39	10.1	6.7	-	-
14K1	Bird Creek	7500	2/21	16	2.9	T	4.7	5
14K2	Berry Creek	9100	2/21	39	10.1	7.3	14.0	5
14K7	Silver Creek #2	6000	2/24	13	3.8	2.2	-	-
14L1	Baker #1	7950	2/25	18	4.8	3.0	6.7	11
14L2	Baker #2	8950	2/25	46	12.9	8.2	16.4	11
14L3	Baker #3	9250	2/25	54	15.2	9.5	15.9	8

MARCH 1, 1958

WATER SUPPLY OUTLOOK

Irrigation season water in White Pine Soil Conservation District will range from fair to excellent. Recently completed snow surveys show snow-stored water to be greater than one year ago but, in most cases, less than the 1938-52 March 1 average.

Snow surveys on the Snake Range, near Baker and Garrison, indicate slightly below normal snow-stored water conditions. Three snow courses on Baker Creek averaged 82 percent of the 1938-52 March 1 normal. One snow course on Silver Creek lacks past record for comparison, but computations indicate conditions similar to Baker Creek.

Courses on the west slope of the Schell Range, on Bird and Berry Creeks, average 67 percent of the 1938-52 March 1 normal.

Two snow courses in the northwest corner of White Pine County at Ruby Lake National Wildlife Refuge on the east slope of the Ruby Mountains surveyed 142 percent of the 1938-52 March 1 normal.

NEVADA SNOW SURVEYS MARCH 1, 1958

			SNOW COVER MEASUREMENTS							
			1958		: P a s t R e c o r d					
DRAINAGE BASIN and SNOW COURSE	No.	Elev.	Date of Survey	Snow : Depth: (In.):	Water : Content: (In.):	Water : Content: (In.):	Water : Content: (In.):	1930-52 Avg.	Prior Yrs. of Record	
LOWER COLOPADO RIVER (Spring Mountains)										
Kyle Canyon	15N5	8200	2/24	24	7.6	6.7	4.9	11.0	17	
Lee Canyon #1	15N4	8300	2/24	18	6.3	3.5	5.6	9.8	17	
Lee Canyon #2	15N3	9000	2/23	27	7.8	6.5	5.9	11.0	17	
Rainbow Canyon #2	15N7	8100	2/25	45	14.4	11.8	13.6	14.5	11	
Clark Canyon	15N2	9000	2/23	24	7.0	4.6	3.8	7.5	12	
Trough Springs	15N1	8500	2/26	18	6.6	2.3	2.9	6.6	12	
(Meadow Valley Wash)										
Pine Canyon	14M2	6200	3/2	0	0	0	0	3.3	9	
Mathew Canyon	14M1	6000	3/1	0	0	0	0	2.7	9	
REESE RIVER										
Lower Corral	17L1	7500	2/25	4	0.9	0	1.8	1.9	15	
NORTHWESTERN NEVADA										
Disaster Peak	18H1	6500	3/1	44	25.0	8.4	22.6	20.6	9	
Bald Mountain	19H1	5720	2/23	14	4.4	0.5	5.4	4.1	17	
Leonard Creek	13H2	5900	2/23	0	0	New Course				
(Surprise Valley)										
Hays Canyon	19H2	6100	3/4	11	4.1	New Course				
49 Mountain	19H3	6000	3/3	13	4.4	New Course				
Reservation Creek	20H1	5900	3/3	35	13.4	New Course				
Barber Creek	20H2	6500	3/4	35	12.4	New Course				



Agencies Cooperating in Collecting Data Contained
in this Bulletin

FEDERAL

Soil Conservation Service
Forest Service
Geological Survey
Bureau of Reclamation
Fish and Wildlife Service
Army
Navy
Air Force
Weather Bureau
Agricultural Research Service

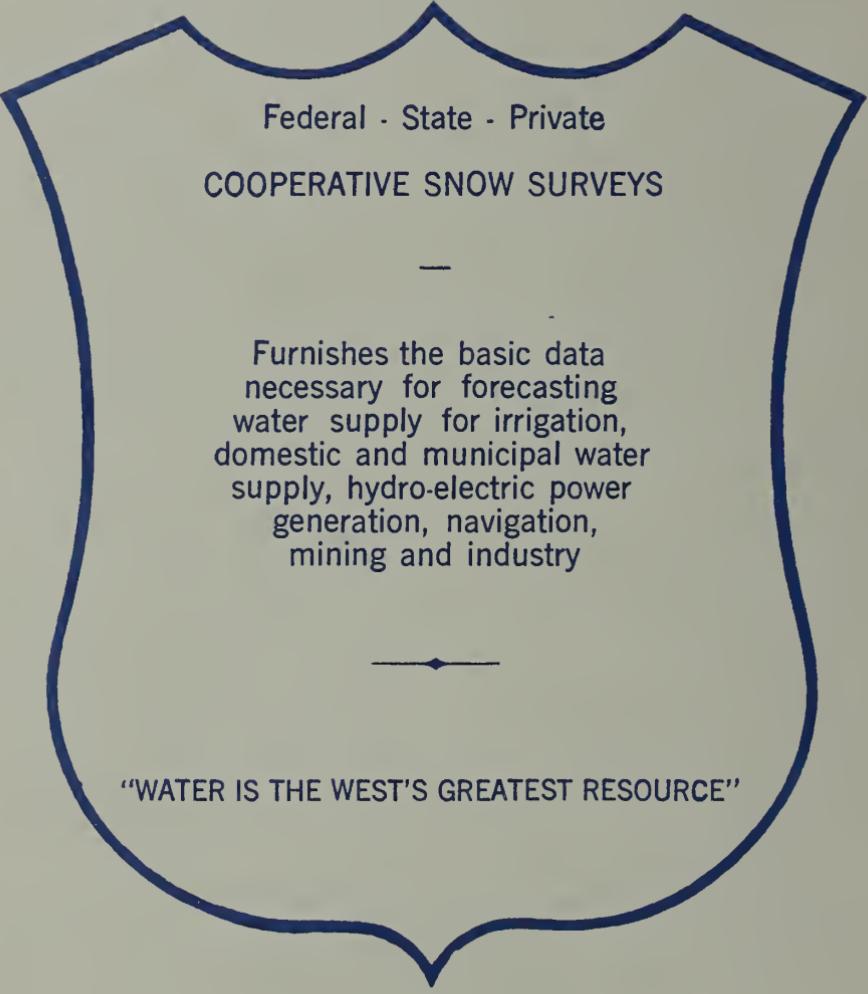
STATE

Nevada State Engineer
Nevada State Forester-Firewarden
Nevada Cooperative Snow Surveys
Colorado River Commission of Nevada
California Cooperative Snow Surveys
California Department of Water Resources
Oregon Cooperative Snow Surveys
Nevada Association of Soil Conservation Districts

PRIVATE

Walker River Irrigation District
Amalgamated Sugar Company
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Virginia City Water Company
Kennecott Copper Corporation
Squaw Valley Development Company
Pacific Gas & Electric Company
Nevada Irrigation District
Sierra Pacific Power Company
Washoe County Water Conservation District
Truckee-Carson Irrigation District
Pershing County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.



Federal - State - Private
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

"WATER IS THE WEST'S GREATEST RESOURCE"